

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P942650

Luminaire Tested: **GLAN-SB6D-735-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942650  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6D-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 62418 lumens  
Efficiency: N/A  
Efficacy: 141.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

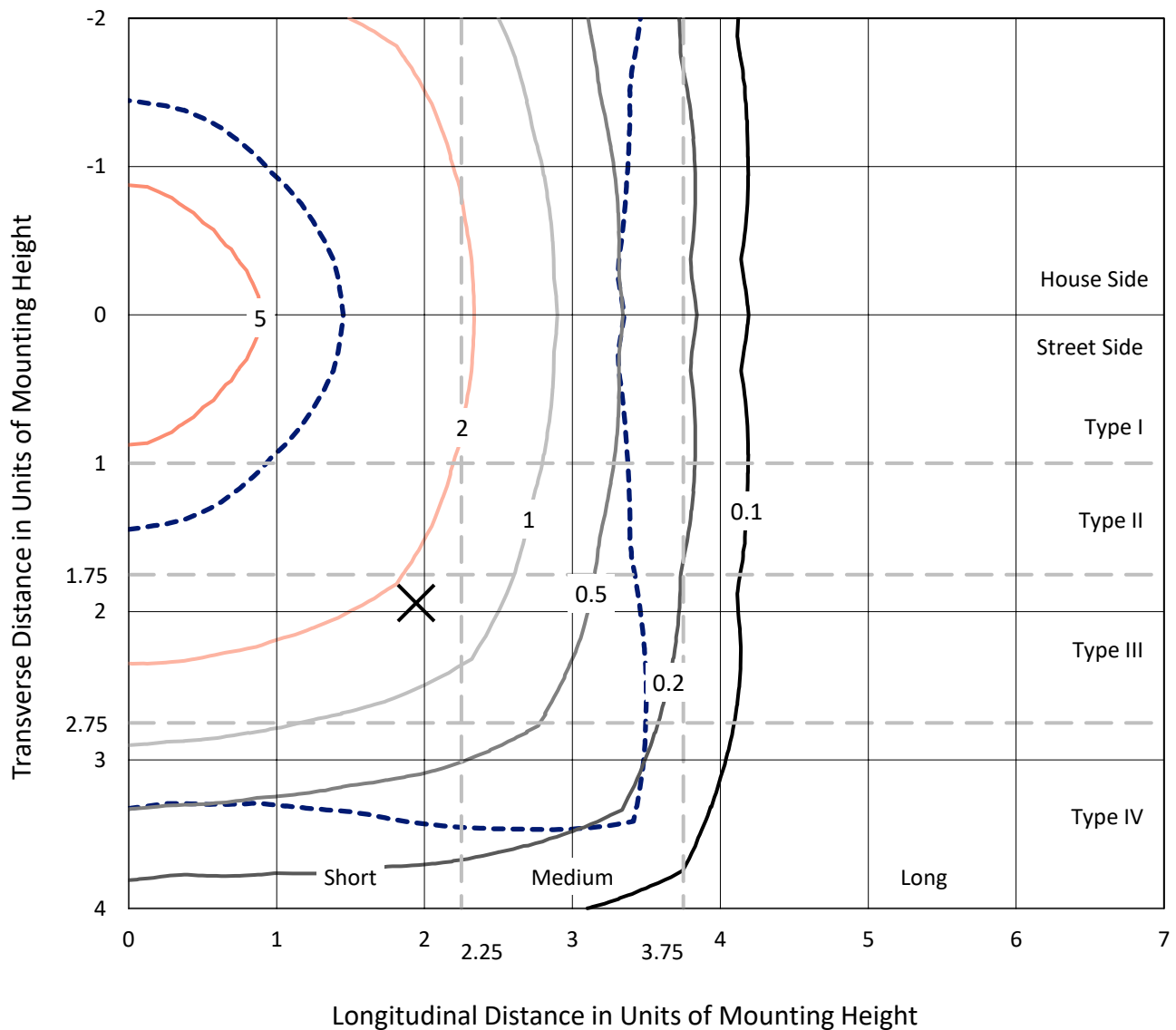


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## Iso-Footcandle Lines of Horizontal Illumination

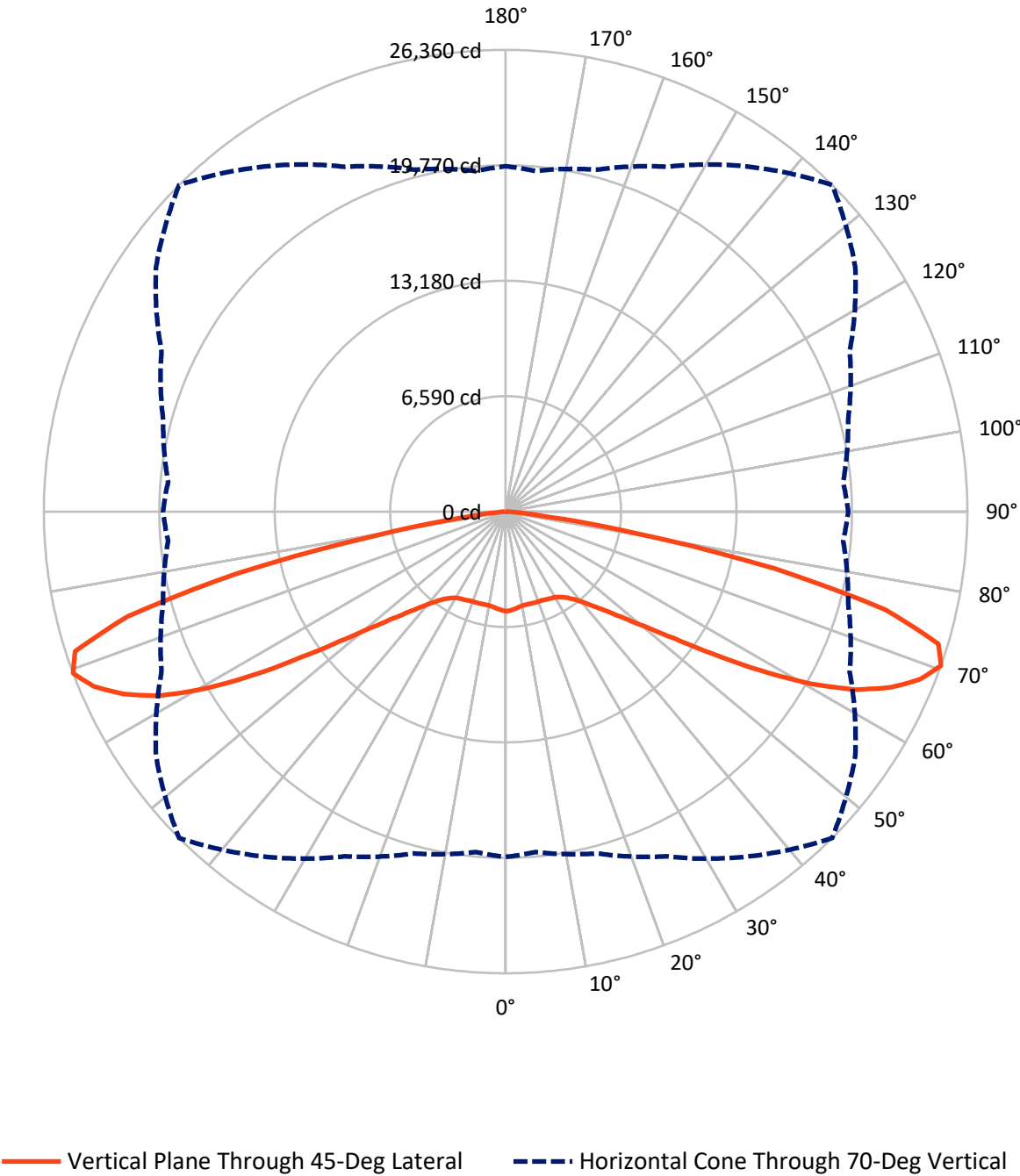
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc  
Type V - Short - N/A

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Luminous Intensity Polar Plot



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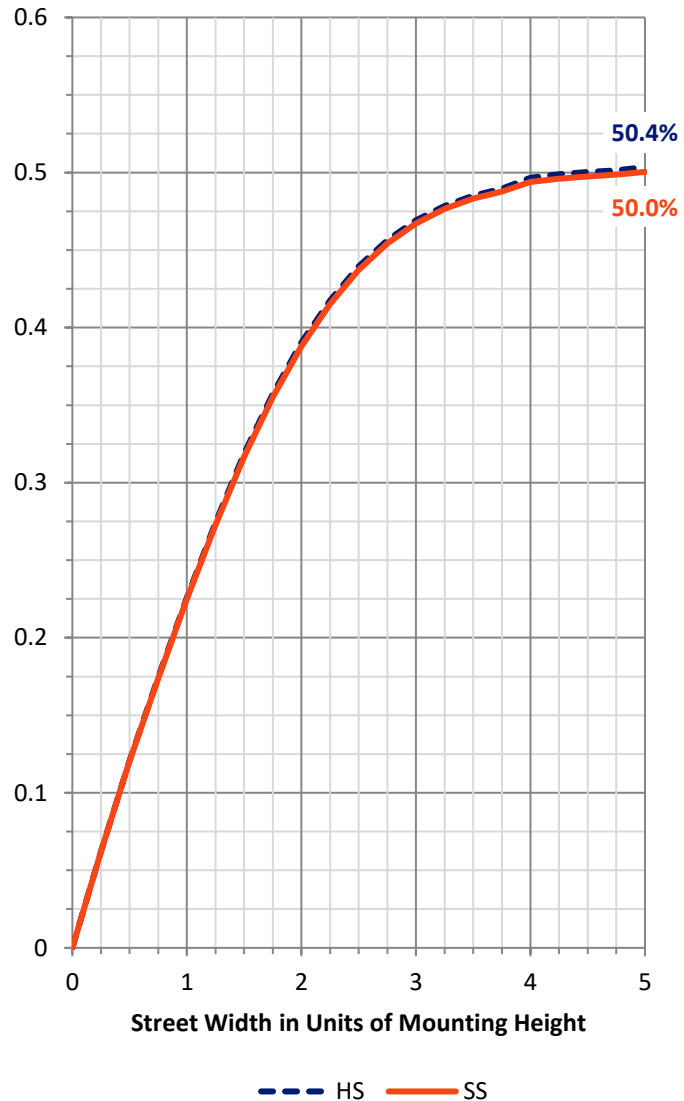
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 31209.0  | 0.0    | 31209.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 31209.0  | 0.0    | 31209.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 62418.0  | 0.0    | 62418.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 529.7   | 0.8       |
| 10°-20°   | 1555.2  | 2.5       |
| 20°-30°   | 2588.1  | 4.1       |
| 30°-40°   | 3914.0  | 6.3       |
| 40°-50°   | 6504.1  | 10.4      |
| 50°-60°   | 12272.9 | 19.7      |
| 60°-70°   | 20723.3 | 33.2      |
| 70°-80°   | 13617.4 | 21.8      |
| 80°-90°   | 713.4   | 1.1       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 62418.0 | 100.0     |
| 0°-180°   | 62418.0 | 100.0     |

**Coefficient of Utilization**



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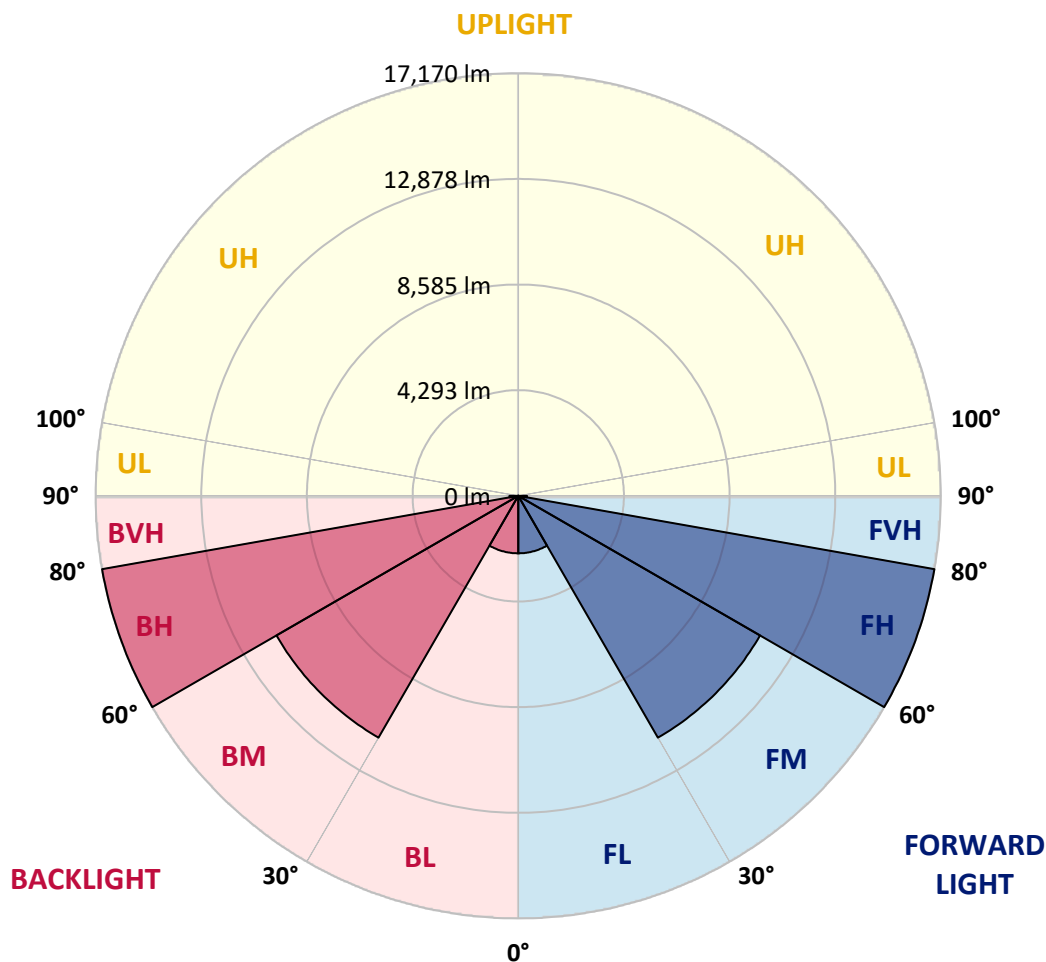
CATALOG NUMBER: GLAN-SB6D-735-U-5WQ

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 2336.5  | 3.7       |                         |      |        |
| FM   | (30°-60°)   | 11345.5 | 18.2      |                         |      |        |
| FH   | (60°-80°)   | 17170.4 | 27.5      |                         |      | G5     |
| FVH  | (80°-90°)   | 356.7   | 0.6       |                         |      | G3/500 |
| BL   | (0°-30°)    | 2336.5  | 3.7       | B3/2500                 |      |        |
| BM   | (30°-60°)   | 11345.5 | 18.2      | B5                      |      |        |
| BH   | (60°-80°)   | 17170.4 | 27.5      | B5                      |      | G5     |
| BVH  | (80°-90°)   | 356.7   | 0.6       |                         |      | G3/500 |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |        |

**BUG Rating: B5-U0-G5**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5693.8  | 5693.8  | 5693.8  | 5693.8  | 5693.8  | 5693.8  | 5693.8  | 5693.8  | 5693.8  | 5693.8  |
| 2.5°  | 5658.1  | 5674.3  | 5667.8  | 5654.8  | 5654.8  | 5645.1  | 5654.8  | 5661.3  | 5671.1  | 5677.6  |
| 5°    | 5583.5  | 5596.4  | 5593.2  | 5583.5  | 5586.7  | 5577.0  | 5583.5  | 5593.2  | 5599.7  | 5602.9  |
| 7.5°  | 5518.6  | 5531.6  | 5525.1  | 5508.9  | 5508.9  | 5499.1  | 5502.4  | 5512.1  | 5521.8  | 5525.1  |
| 10°   | 5502.4  | 5515.3  | 5495.9  | 5469.9  | 5460.2  | 5447.2  | 5450.5  | 5460.2  | 5479.7  | 5489.4  |
| 12.5° | 5508.9  | 5518.6  | 5499.1  | 5460.2  | 5450.5  | 5437.5  | 5437.5  | 5447.2  | 5473.2  | 5486.1  |
| 15°   | 5528.3  | 5538.1  | 5508.9  | 5466.7  | 5456.9  | 5447.2  | 5444.0  | 5456.9  | 5486.1  | 5508.9  |
| 17.5° | 5564.0  | 5573.7  | 5528.3  | 5469.9  | 5456.9  | 5460.2  | 5456.9  | 5466.7  | 5512.1  | 5554.3  |
| 20°   | 5596.4  | 5602.9  | 5541.3  | 5469.9  | 5456.9  | 5460.2  | 5456.9  | 5476.4  | 5534.8  | 5593.2  |
| 22.5° | 5606.2  | 5612.7  | 5554.3  | 5492.6  | 5482.9  | 5486.1  | 5482.9  | 5502.4  | 5557.5  | 5615.9  |
| 25°   | 5609.4  | 5619.2  | 5573.7  | 5525.1  | 5541.3  | 5547.8  | 5541.3  | 5544.5  | 5586.7  | 5638.6  |
| 27.5° | 5658.1  | 5671.1  | 5628.9  | 5586.7  | 5596.4  | 5593.2  | 5602.9  | 5612.7  | 5645.1  | 5697.0  |
| 30°   | 5758.7  | 5768.4  | 5732.7  | 5690.5  | 5684.0  | 5661.3  | 5690.5  | 5723.0  | 5758.7  | 5804.1  |
| 32.5° | 5924.1  | 5943.6  | 5898.2  | 5852.7  | 5823.6  | 5810.6  | 5833.3  | 5888.4  | 5937.1  | 5985.8  |
| 35°   | 6199.9  | 6212.9  | 6170.7  | 6086.3  | 6034.4  | 6034.4  | 6053.9  | 6125.3  | 6203.1  | 6264.8  |
| 37.5° | 6589.2  | 6605.4  | 6530.8  | 6430.2  | 6352.4  | 6352.4  | 6378.3  | 6452.9  | 6569.7  | 6657.3  |
| 40°   | 7062.9  | 7085.6  | 6991.5  | 6887.7  | 6813.1  | 6800.1  | 6832.5  | 6916.9  | 7027.2  | 7137.5  |
| 42.5° | 7633.9  | 7659.8  | 7536.6  | 7445.7  | 7387.3  | 7387.3  | 7403.5  | 7481.4  | 7582.0  | 7718.2  |
| 45°   | 8363.9  | 8409.3  | 8240.6  | 8149.7  | 8094.6  | 8107.6  | 8117.3  | 8185.4  | 8276.3  | 8432.0  |
| 47.5° | 9233.3  | 9278.7  | 9100.3  | 9006.2  | 8996.5  | 9058.1  | 9019.2  | 9067.9  | 9116.5  | 9295.0  |
| 50°   | 10219.6 | 10297.5 | 10174.2 | 10167.7 | 10187.2 | 10300.7 | 10209.9 | 10235.8 | 10180.7 | 10294.2 |
| 52.5° | 11426.5 | 11540.0 | 11517.3 | 11556.3 | 11773.6 | 12007.2 | 11799.6 | 11708.7 | 11501.1 | 11536.8 |
| 55°   | 12889.7 | 13061.6 | 13094.1 | 13327.7 | 13820.8 | 14297.7 | 13856.5 | 13489.9 | 13048.6 | 12967.5 |
| 57.5° | 14554.0 | 14690.3 | 14846.0 | 15322.9 | 16244.3 | 17091.1 | 16244.3 | 15433.2 | 14738.9 | 14573.5 |
| 60°   | 16344.9 | 16513.6 | 16662.8 | 17366.8 | 18735.9 | 19926.6 | 18710.0 | 17422.0 | 16503.8 | 16280.0 |
| 62.5° | 18268.8 | 18486.1 | 18589.9 | 19371.8 | 20968.0 | 22389.0 | 20990.7 | 19430.2 | 18411.5 | 18171.4 |
| 65°   | 20114.8 | 20293.2 | 20410.0 | 21243.8 | 22768.6 | 24192.9 | 22872.4 | 21334.6 | 20286.7 | 19972.0 |
| 67.5° | 20974.5 | 21071.8 | 21357.3 | 22301.4 | 23910.6 | 25536.0 | 24183.1 | 22402.0 | 21230.8 | 20679.3 |
| 70°   | 19715.7 | 19517.8 | 20205.6 | 21717.5 | 24046.9 | 26360.1 | 24358.3 | 21672.0 | 20238.1 | 19342.6 |
| 72.5° | 15235.3 | 14894.7 | 16088.6 | 18674.3 | 22489.6 | 25834.5 | 22645.3 | 18820.3 | 16831.5 | 15014.7 |
| 75°   | 8289.2  | 7903.2  | 9551.3  | 12821.5 | 17934.6 | 22392.3 | 18346.6 | 13188.2 | 10634.9 | 8227.6  |
| 77.5° | 2339.2  | 2193.2  | 3523.3  | 6203.1  | 10787.4 | 15722.0 | 11202.6 | 6339.4  | 4178.7  | 2478.7  |
| 80°   | 717.0   | 694.3   | 940.9   | 1868.7  | 4581.0  | 7530.1  | 4402.5  | 1891.4  | 1197.2  | 755.9   |
| 82.5° | 425.0   | 389.3   | 467.2   | 681.3   | 1168.0  | 2365.1  | 1135.5  | 710.5   | 571.0   | 382.8   |
| 85°   | 243.3   | 227.1   | 275.8   | 330.9   | 392.6   | 502.9   | 327.7   | 337.4   | 305.0   | 204.4   |
| 87.5° | 100.6   | 90.8    | 107.1   | 103.8   | 90.8    | 116.8   | 87.6    | 103.8   | 123.3   | 81.1    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

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| 90°     |
|---------|
| 5693.8  |
| 5674.3  |
| 5602.9  |
| 5525.1  |
| 5489.4  |
| 5489.4  |
| 5512.1  |
| 5554.3  |
| 5596.4  |
| 5615.9  |
| 5635.4  |
| 5684.0  |
| 5794.4  |
| 5966.3  |
| 6242.1  |
| 6624.9  |
| 7101.8  |
| 7708.5  |
| 8425.5  |
| 9243.1  |
| 10226.1 |
| 11416.8 |
| 12841.0 |
| 14456.7 |
| 16085.3 |
| 17976.8 |
| 19816.3 |
| 20685.8 |
| 19556.7 |
| 15465.7 |
| 8762.9  |
| 2754.4  |
| 798.1   |
| 415.3   |
| 214.1   |
| 74.6    |
| 0.0     |